



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/505,230

DATE: 08/31/2004

TIME: 16:46:45

Input Set : A:\NOB-10 SEQ LISTING.txt
 Output Set: N:\CRF4\08312004\J505230.raw

3 <110> APPLICANT: VAN DEN BRINK, Gijs Robert
 4 PEPPELENBOSCH, Maikel Petrus
 5 HARDWICK, Hames Christopher Henry
 6 VAN DEVENTER, Sander Jan Hendrik
 8 <120> TITLE OF INVENTION: Hedgehog-related prophylaxis, therapy and diagnosis of
 9 GI tract carcinogenesis
 11 <130> FILE REFERENCE: 28902.nob10
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/505,230
 14 <141> CURRENT FILING DATE: 2004-08-20
 16 <150> PRIOR APPLICATION NUMBER: PCT/NL03/00127
 17 <151> PRIOR FILING DATE: 2003-02-20
 19 <150> PRIOR APPLICATION NUMBER: EP 02075690.4
 20 <151> PRIOR FILING DATE: 2002-02-20
 22 <160> NUMBER OF SEQ ID NOS: 3
 24 <170> SOFTWARE: PatentIn Ver. 2.1

P2
Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

179 <210> SEQ ID NO: 3
 180 <211> LENGTH: 462
 181 <212> TYPE: PRT
 182 <213> ORGANISM: Homo sapiens
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: Human Sonic hedgehog protein
 187 <400> SEQUENCE: 3
 188 Met Leu Leu Leu Ala Arg Cys Leu Leu Leu Val Leu Val Ser Ser Leu
 189 1 5 10 15
 191 Leu Val Cys Ser Gly Leu Ala Cys Gly Pro Gly Arg Gly Phe Gly Lys
 192 20 25 30
 194 Arg Arg His Pro Lys Lys Leu Thr Pro Leu Ala Tyr Lys Gln Phe Ile
 195 35 40 45
 197 Pro Asn Val Ala Glu Lys Thr Leu Gly Ala Ser Gly Arg Tyr Glu Gly
 198 50 55 60
 200 Lys Ile Ser Arg Asn Ser Glu Arg Phe Lys Glu Leu Thr Pro Asn Tyr
 201 65 70 75 80
 203 Asn Pro Asp Ile Ile Phe Lys Asp Glu Glu Asn Thr Gly Ala Asp Arg
 204 85 90 95
 206 Leu Met Thr Gln Arg Cys Lys Asp Lys Leu Asn Ala Leu Ala Ile Ser
 207 100 105 110
 209 Val Met Asn Gln Trp Pro Gly Val Lys Leu Arg Val Thr Glu Gly Trp
 210 115 120 125
 212 Asp Glu Asp Gly His His Ser Glu Glu Ser Leu His Tyr Glu Gly Arg

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| | | | |
|-----|---|-----|-----|
| 213 | 130 | 135 | 140 |
| 215 | Ala Val Asp Ile Thr Thr Ser Asp Arg Asp Arg Ser Lys Tyr Gly Met | | |
| 216 | 145 | 150 | 155 |
| 218 | Leu Ala Arg Leu Ala Val Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu | | 160 |
| 219 | 165 | 170 | 175 |
| 221 | Ser Lys Ala His Ile His Cys Ser Val Lys Ala Glu Asn Ser Val Ala | | |
| 222 | 180 | 185 | 190 |
| 224 | Ala Lys Ser Gly Gly Cys Phe Pro Gly Ser Ala Thr Val His Leu Glu | | |
| 225 | 195 | 200 | 205 |
| 227 | Gln Gly Gly Thr Lys Leu Val Lys Asp Leu Ser Pro Gly Asp Arg Val | | |
| 228 | 210 | 215 | 220 |
| 230 | Leu Ala Ala Asp Asp Gln Gly Arg Leu Leu Tyr Ser Asp Phe Leu Thr | | |
| 231 | 225 | 230 | 235 |
| 233 | Phe Leu Asp Arg Asp Gly Ala Lys Lys Val Phe Tyr Val Ile Glu | | 240 |
| 234 | 245 | 250 | 255 |
| 236 | Thr Arg Glu Pro Arg Glu Arg Leu Leu Thr Ala Ala His Leu Leu | | |
| 237 | 260 | 265 | 270 |
| 239 | Phe Val Ala Pro His Asn Asp Ser Ala Thr Gly Glu Pro Glu Ala Ser | | |
| 240 | 275 | 280 | 285 |
| 242 | Ser Gly Ser Gly Pro Pro Ser Gly Gly Ala Leu Gly Pro Arg Ala Leu | | |
| 243 | 290 | 295 | 300 |
| 245 | Phe Ala Ser Arg Val Arg Pro Gly Gln Arg Val Tyr Val Val Ala Glu | | |
| 246 | 305 | 310 | 315 |
| 248 | Arg Asp Gly Asp Arg Arg Leu Leu Pro Ala Ala Val His Ser Val Thr | | 320 |
| 249 | 325 | 330 | 335 |
| 251 | Leu Ser Glu Glu Ala Ala Gly Ala Tyr Ala Pro Leu Thr Ala Gln Gly | | |
| 252 | 340 | 345 | 350 |
| 254 | Thr Ile Leu Ile Asn Arg Val Leu Ala Ser Cys Tyr Ala Val Ile Glu | | |
| 255 | 355 | 360 | 365 |
| 257 | Glu His Ser Trp Ala His Arg Ala Phe Ala Pro Phe Arg Leu Ala His | | |
| 258 | 370 | 375 | 380 |
| 260 | Ala Leu Leu Ala Ala Leu Ala Pro Ala Arg Thr Asp Arg Gly Gly Asp | | |
| 261 | 385 | 390 | 395 |
| 263 | Ser Gly Gly Asp Arg Gly Gly Gly Gly Arg Val Ala Leu Thr | | 400 |
| 264 | 405 | 410 | 415 |
| 266 | Ala Pro Gly Ala Ala Asp Ala Pro Gly Ala Gly Ala Thr Ala Gly Ile | | |
| 267 | 420 | 425 | 430 |
| 269 | His Trp Tyr Ser Gln Leu Leu Tyr Gln Ile Gly Thr Trp Leu Leu Asp | | |
| 270 | 435 | 440 | 445 |
| 272 | Ser Glu Ala Leu His Pro Leu Gly Met Ala Val Lys Ser Ser | | |
| 273 | 450 | 455 | 460 |

E--> 275 ??
E--> 277 ??
E--> 278 (footnote continued from previous page)
E--> 280 (footnote continued on next page)

delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/505,230

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TIME: 16:46:46

Input Set : A:\NOB-10 SEQ LISTING.txt
Output Set: N:\CRF4\08312004\J505230.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:275 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:275 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:277 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
L:277 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:277 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
M:332 Repeated in SeqNo=3
L:278 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:278 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:5
L:280 M:333 E: Wrong sequence grouping, Amino acids not in groups!
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L:280 M:252 E: No. of Seq. differs, <211> LENGTH:Input:462 Found:472 SEQ:3